

Converting Colors

`RYB(126, 46, 113)`

Have a look what the booklet for
RYB(126, 46, 113) contains.

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Color

`RYB(126, 46, 113)`

Conversions

Conversions Part 1

Format	Color
Hex	7E2E71
RGB	126, 46, 113
RGB Percent	49%, 18%, 44%
CMY	0.5059, 0.8196, 0.5569
CMYK	0.00, 0.63, 0.10, 0.51
HSL	310°, 47%, 34%
HSV	310°, 63%, 49%
XYZ	12.5618, 7.5819, 16.4241
YIQ	77.5580, 26.1730, 37.7970

Conversions

Conversions Part 2

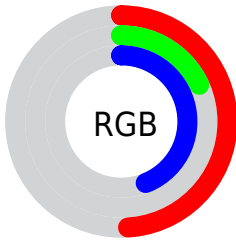
Format	Color
R_{YB}	126, 46, 113
Decimal	8269425
CIE _{Lab}	33.10, 43.07, -21.82
CIE _{LCh}	33, 48.275, 333.135
Yxy	7.5819, 0.3435, 0.2073
Android (android.graphics.Color)	4286459505 (0xFF7E2E71)
YUV	77.5580, 17.4729, 42.4836
Hunter-Lab	27.5352, 33.2468, -16.0906

Details

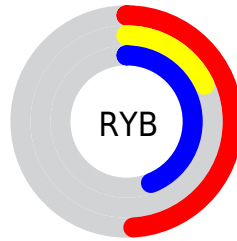
The RYB color **126, 46, 113** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **46, 115, 126**, and the grayscale version is **77, 77, 77**.

A 20% lighter version of the original color is **181, 97, 165**, and **74, 0, 65** is the 20% darker color. If you saturate the color by 10%, you get **126, 33, 111**, and if you desaturate by 10%, it is **126, 59, 115**.

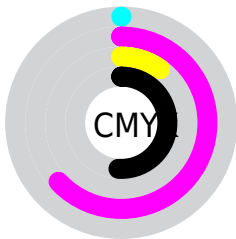
Distribution



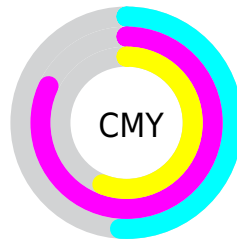
- Red (49%)
- Green (18%)
- Blue (44%)



- Red (49%)
- Yellow (18%)
- Blue (44%)



- Cyan (0%)
- Magenta (63%)
- Yellow (10%)
- Black (51%)




- Cyan (51%)
- Magenta (82%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 126, 46, 113 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 126, 46, 113 by changing the saturation by 10% instead.

 126, 46, 113

 126, 46, 113

255, 255, 255

 100, 18, 88

 181, 97, 165

 74, 0, 65

 209, 124, 192

 50, 0, 43

 238, 150, 220

 20, 0, 21

 255, 178, 249

 0, 0, 0

 255, 206, 255

 255, 235, 255

 126, 46, 113

 126, 46, 113

 126, 33, 111

 126, 59, 115

■ 126, 21, 109

■ 126, 71, 117

■ 126, 8, 107

■ 126, 84, 119

■ 126, 0, 106

■ 126, 96, 121

■ 126, 109, 123

■ 126, 122, 125

■ 126, 133, 134

■ 126, 144, 147

■ 126, 155, 159

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81, 66, 142



126, 46, 113



144, 34, 75

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



126, 46, 113



15, 91, 0



0, 53, 119

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



126, 46, 113



46, 115, 126

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 51, 95



126, 46, 113



0, 87, 35

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



126, 46, 113



117, 121, 1



0, 65, 93



0, 56, 146

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



126, 46, 113



144, 39, 50



0, 65, 93



0, 50, 107

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



126, 46, 113



163, 132, 158



58, 46, 126



82, 63, 79



209, 209, 209



82, 82, 82

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



126, 46, 113



163, 39, 143



126, 46, 74



64, 57, 63



128, 0, 107



0, 0, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



126, 46, 113



163, 39, 143



46, 94, 126



64, 57, 63



128, 0, 107



0, 0, 0

Previews

White Background



This preview shows how the RYB color 126, 46, 113 looks on a white background.

Color Contrast Check

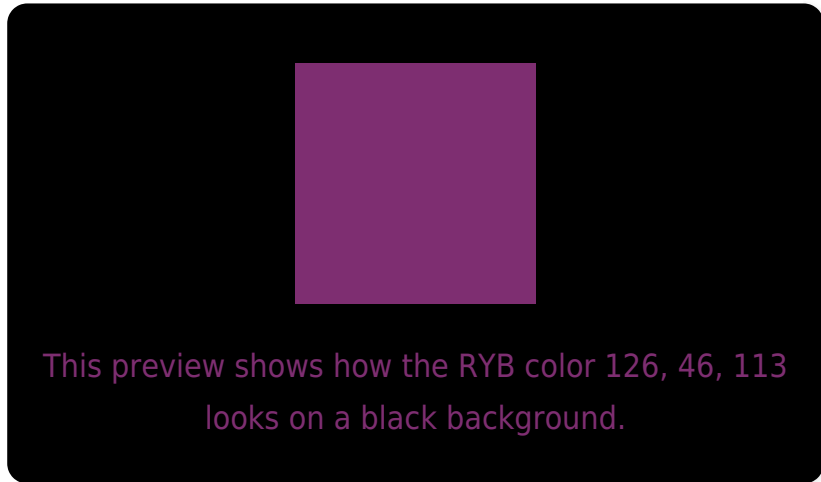
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

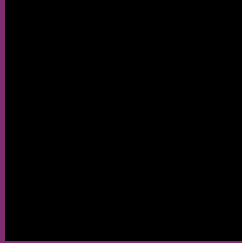
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 126, 46, 113 Background



This preview shows how black text looks on a background with the RYB color 126, 46, 113.



This preview shows how white text looks on a background with the RYB color 126, 46, 113.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
126, 46, 113

Protanopia
50, 71, 139

Deuteranopia
70, 77, 108



Tritanopia
121, 60, 64

Trichromacy



Original Color
126, 46, 113

Protanomaly
78, 66, 130

Deuteranomaly
90, 66, 110

Tritanomaly
123, 55, 82

Monochromacy



Original Color
126, 46, 113

Achromatopsia
78, 78, 78

Achromatomaly
95, 66, 91

CSS Examples

Text

The CSS property to change the color of the text to RYB 126, 46, 113 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(126, 46, 113)` looks like.

```
.text, #text, p{  
    color:rgb(126, 46, 113)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(126, 46, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 46, 113) }
```

Border

The CSS property to change the border of an element to RYB 126, 46, 113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 46, 113) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(126, 46, 113) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(126, 46, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 46, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 46, 113);  
box-shadow:4px 4px 4px 4px rgb(126, 46,  
113) }
```

Background

The CSS property to change the background color of an element to RYB 126, 46, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 46, 113) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(126, 46,  
113) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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